

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	40	first adj private adj key and second adj private adj key and third adj private adj key	US-PGPUB; USPAT	OR	ON	2007/03/01 13:22
S2	15	S1 and smart adj card	US-PGPUB; USPAT	OR	ON	2007/02/22 08:20
S3	34	UMEZAWA-KATSUYUKI UCHIYAMA-HIROKI SUSAKI-SEIICHI KODAMA-TOSHIOMI	US-PGPUB; USPAT	OR	ON	2007/03/07 12:18
S4	143	UMEZAWA-KATSUYUKI UCHIYAMA-HIROKI SUSAKI-SEIICHI KODAMA-TOSHIOMI	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 08:22
S5	526	(revoke remove unsubscribe) with certificate and private adj key	US-PGPUB; USPAT	OR	ON	2007/05/22 07:43
S6	0	(revoke remove unsubscribe) with all adj certificate and private adj key	US-PGPUB; USPAT	OR	ON	2007/11/13 11:56
S7	0	(revoke remove unsubscribe) with every adj certificate and private adj key	US-PGPUB; USPAT	OR	ON	2007/02/22 08:40
S8	2	(revoke remove unsubscribe) with (all each every) with certificate and private adj key	US-PGPUB; USPAT	OR	ON	2007/02/22 08:52
S9	1	"20040111375"	US-PGPUB; USPAT	OR	ON	2007/02/22 08:54
S10	1	("5666416").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/27 12:04
S11	1203	service adj provider and certificate adj authority	US-PGPUB; USPAT	OR	ON	2007/02/27 12:05
S12	401	S11 and revocation	US-PGPUB; USPAT	OR	ON	2007/02/27 12:05
S13	104	S11 and revocation and root adj certificate	US-PGPUB; USPAT	OR	ON	2007/02/27 12:21
S14	14	S11 and revocation.ab. and root adj certificate	US-PGPUB; USPAT	OR	ON	2007/02/27 12:11
S15	29	S13 and "smart card"	US-PGPUB; USPAT	OR	ON	2007/03/02 10:24
S16	25	root adj certificate.ab.	US-PGPUB; USPAT	OR	ON	2007/02/27 18:24
S17	17	first adj certificate.ab.	US-PGPUB; USPAT	OR	ON	2007/02/27 15:26

## EAST Search History

S18	15	revoke\$3 adj certificate.ab.	US-PGPUB; USPAT	OR	ON	2007/02/27 15:36
S19	36	revok\$3 with (first root main) adj certificate	US-PGPUB; USPAT	OR	ON	2007/02/27 15:40
S20	154	revok\$3 with (first root main) with certificate	US-PGPUB; USPAT	OR	ON	2007/02/27 15:40
S21	137	revok\$3 with (first root main) with certificate and CA	US-PGPUB; USPAT	OR	ON	2007/02/27 15:40
S22	126	revok\$3 with (first root main) with certificate and public and private and key	US-PGPUB; USPAT	OR	ON	2007/02/27 17:38
S23	1	"20030056099"	US-PGPUB; USPAT	OR	ON	2007/02/27 18:25
S24	167	service adj provider with request with certificate	US-PGPUB; USPAT	OR	ON	2007/02/27 18:33
S25	341	"multiple certificates"	US-PGPUB; USPAT	OR	ON	2007/02/28 16:53
S26	143	"multiple certificates" and "smart card"	US-PGPUB; USPAT	OR	ON	2007/05/24 08:13
S27	38	"multiple certificates" and "smart card" and PKI	US-PGPUB; USPAT	OR	ON	2007/03/02 11:54
S28	2	"multiple certificates" with "smart card"	US-PGPUB; USPAT	OR	ON	2007/02/28 16:55
S29	987	(713/156-158).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/01 15:51
S30	416	S29 and certificate adj authority	US-PGPUB; USPAT	OR	ON	2007/03/01 12:14
S31	351	S30 and private adj key and public adj key	US-PGPUB; USPAT	OR	ON	2007/03/01 12:15
S32	109	S31 and "smart card"	US-PGPUB; USPAT	OR	ON	2007/03/01 12:22
S33	1	S31 and "smart card".ti.	US-PGPUB; USPAT	OR	ON	2007/03/01 12:18
S34	4	S31 and "smart card".ab.	US-PGPUB; USPAT	OR	ON	2007/03/01 18:22
S35	100	S31 and revoke	US-PGPUB; USPAT	OR	ON	2007/03/01 18:01
S36	0	S31 and revoke adj all	US-PGPUB; USPAT	OR	ON	2007/03/01 12:22
S37	0	S31 and revoke adj every	US-PGPUB; USPAT	OR	ON	2007/03/01 12:22
S38	44	S35 and root	US-PGPUB; USPAT	OR	ON	2007/03/01 12:22

## EAST Search History

S39	34	S35 and root and chain	US-PGPUB; USPAT	OR	ON	2007/03/01 12:23
S40	40	first adj private adj key and second adj private adj key and third adj private adj key	US-PGPUB; USPAT	OR	ON	2007/03/01 13:22
S41	17	S40 and certificate	US-PGPUB; USPAT	OR	ON	2007/03/01 13:22
S42	1	"20050120205"	US-PGPUB; USPAT	OR	ON	2007/03/01 13:43
S43	16	S29 and "smart card" with (manufacturer issuer maker producer)	US-PGPUB; USPAT	OR	ON	2007/03/01 15:07
S44	1	("5544246").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/01 15:12
S45	157	second adj certificate with first adj certificate	US-PGPUB; USPAT	OR	ON	2007/03/01 15:18
S46	24	S45 and revoke	US-PGPUB; USPAT	OR	ON	2007/03/01 17:33
S47	13	(US-20050120205-\$ or US-20050193192-\$ or US-20030084294-\$ or US-20020108044-\$ or US-20020095579-\$).did. or (US-6327658-\$ or US-6253322-\$ or US-6189032-\$).did. or (EP-1213873-\$ or EP-984598-\$).did. or (JP-2004347636-\$ or JP-2006164093-\$ or JP-2002324201-\$).did.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/01 15:51
S48	4	S47 and certificate	US-PGPUB; USPAT	OR	ON	2007/03/01 15:52
S49	6	implementing with certificate with "smart card"	US-PGPUB; USPAT	OR	ON	2007/03/01 17:34
S50	39	"smart card" with "key generation"	US-PGPUB; USPAT	OR	ON	2007/03/01 18:31
S51	11	"smart card" with "key generation" and certificate	US-PGPUB; USPAT	OR	ON	2007/03/01 18:31

## EAST Search History

S52	20	(US-20070050624-\$ or US-20060059333-\$ or US-20060020784-\$ or US-20060195689-\$ or US-20040006692-\$ or US-20040053642-\$ or US-20040111375-\$ or US-20030236987-\$ or US-20050257058-\$ or US-20060136990-\$ or US-20040210597-\$ or US-20060143700-\$).did. or (US-7096494-\$ or US-6438550-\$ or US-7130999-\$ or US-6397329-\$ or US-6209091-\$ or US-5544246-\$ or US-6226744-\$ or US-6564319-\$). did.	US-PGPUB; USPAT	OR	ON	2007/03/02 08:53
S53	10	S52 and ("smart card" "IC card" "integrated circuit card")	US-PGPUB; USPAT	OR	ON	2007/03/02 12:00
S54	1	("5544246").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/02 10:24
S55	37940	("smart card" "IC card" "integrated circuit card")	US-PGPUB; USPAT	OR	ON	2007/05/24 08:22
S56	1204	"service provider" and "certificate authority"	US-PGPUB; USPAT	OR	ON	2007/03/02 10:46
S57	468	S55 and S56	US-PGPUB; USPAT	OR	ON	2007/03/02 10:46
S58	4179	("smart card" "IC card" "integrated circuit card").ab.	US-PGPUB; USPAT	OR	ON	2007/03/02 10:47
S59	25	S58 and S56	US-PGPUB; USPAT	OR	ON	2007/03/02 11:09
S60	1	("6993521").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/02 11:09
S61	67	S55 with key adj generation	US-PGPUB; USPAT	OR	ON	2007/03/02 11:16
S62	0	"multiple certificates" and "smart card" and PKI and SPDA	US-PGPUB; USPAT	OR	ON	2007/03/02 11:54
S63	32	SPDA	US-PGPUB; USPAT	OR	ON	2007/03/02 11:57
S64	1	SPDA and cryptographic	US-PGPUB; USPAT	OR	ON	2007/03/02 11:58
S65	1	("5544246").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/02 11:58
S66	1	("5671279").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/02 11:58
S67	653	PKI and ("smart card" "IC card" "integrated circuit card") and CA	US-PGPUB; USPAT	OR	ON	2007/03/02 12:00

## EAST Search History

S68	30	PKI and ("smart card" "IC card" "integrated circuit card").ab. and CA	US-PGPUB; USPAT	OR	ON	2007/03/05 11:05
S69	24	PKI and ("smart card" "IC card" "integrated circuit card").ab. and CA and certificate	US-PGPUB; USPAT	OR	ON	2007/05/24 08:28
S70	174	("smart card" "IC card" "integrated circuit card").ab. and CA and certificate	US-PGPUB; USPAT	OR	ON	2007/03/02 12:29
S71	16	("smart card" "IC card" "integrated circuit card").ab. and CA and (global root main first)adj certificate	US-PGPUB; USPAT	OR	ON	2007/03/15 11:05
S72	175	("smart card" "IC card" "integrated circuit card").ab. and CA and "service provider"	US-PGPUB; USPAT	OR	ON	2007/03/05 11:05
S73	32	S72 and key adj generat\$4	US-PGPUB; USPAT	OR	ON	2007/03/05 11:09
S74	14	S73 and certificate	US-PGPUB; USPAT	OR	ON	2007/03/05 11:09
S75	5	("5684742"   "6202155"   "6401203"   "6402028"   "6735593").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/05 11:13
S76	15	("4443027"   "4734568"   "4742215"   "4797542"   "4816653"   "4816654"   "4877947"   "4910773"   "4928001"   "5036461"   "5148479"   "5225664"   "5267315"   "5288978"   "5317637").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/05 11:16
S77	130	("5544246").URPN.	USPAT	OR	ON	2007/03/05 11:26
S78	3	S77 and PKI	USPAT	OR	ON	2007/03/05 11:27
S79	1	("5745574").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/05 15:07
S80	415	second adj (CA "certificate authority")	US-PGPUB; USPAT	OR	ON	2007/03/05 12:52
S81	59	S80 and ("smart card" "IC card" "integrated circuit card")	US-PGPUB; USPAT	OR	ON	2007/03/05 13:08
S82	819	"public key certificate" and "smart card"	US-PGPUB; USPAT	OR	ON	2007/03/05 13:12
S83	572	"public key certificate" and "smart card" and CA	US-PGPUB; USPAT	OR	ON	2007/03/05 13:09
S84	29615	("713").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/03/05 13:09
S85	298	S84 and S83	US-PGPUB; USPAT	OR	ON	2007/03/05 13:09
S86	74	"public key certificate" and "smart card".ab.	US-PGPUB; USPAT	OR	ON	2007/03/05 13:12

## EAST Search History

S87	1	"20030014629"	US-PGPUB; USPAT	OR	ON	2007/03/05 14:19
S88	236	second with private with public with key with certificate	US-PGPUB; USPAT	OR	ON	2007/03/05 15:08
S89	136	S88 and Certificate adj authority	US-PGPUB; USPAT	OR	ON	2007/03/05 15:13
S90	48	S89 and "smart card"	US-PGPUB; USPAT	OR	ON	2007/03/05 15:20
S91	1	("6005942").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/05 15:20
S92	40	(CA "certificate authority") with revocation with database	US-PGPUB; USPAT	OR	ON	2007/03/06 12:48
S93	7	(CA "certificate authority") with ("smart card") with "service provider"	US-PGPUB; USPAT	OR	ON	2007/03/06 12:50
S94	361	(CA "certificate authority") and ("smart card") and "service provider" and PKI	US-PGPUB; USPAT	OR	ON	2007/03/06 12:50
S95	326	(CA "certificate authority") and ("smart card") and "service provider" and PKI and certificate	US-PGPUB; USPAT	OR	ON	2007/03/06 12:50
S96	8	(CA "certificate authority") and ("smart card").ab. and "service provider" and PKI and certificate	US-PGPUB; USPAT	OR	ON	2007/03/06 14:35
S97	17	(CA "certificate authority").ab. and ("smart card") and "service provider" and PKI and certificate	US-PGPUB; USPAT	OR	ON	2007/03/06 14:48
S98	12	root adj certificate with ("smart card" "IC card" "integrated circuit card")	US-PGPUB; USPAT	OR	ON	2007/03/06 17:51
S99	1	("6463534").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/06 17:51
S10 0	7	"smart card" with "certificate generating"	US-PGPUB; USPAT	OR	ON	2007/03/07 10:09
S10 1	5	"certificate authority" with "apply" with issuance	US-PGPUB; USPAT	OR	ON	2007/03/07 10:09
S10 2	124	multi-application adj "smart card"	US-PGPUB; USPAT	OR	ON	2007/03/07 10:41
S10 3	67	"6005942"	US-PGPUB; USPAT	OR	ON	2007/03/07 10:41
S10 4	1	("6005942").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/07 10:47
S10 5	1	("5578808").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/07 10:51

## EAST Search History

S10 6	5	09/046994	US-PGPUB; USPAT	OR	ON	2007/03/07 11:35
S10 7	172	Multos	US-PGPUB; USPAT	OR	ON	2007/03/07 11:35
S10 8	51	S107 and ("certificate authority" "CA")	US-PGPUB; USPAT	OR	ON	2007/03/07 11:36
S10 9	573	"certificate chain"	US-PGPUB; USPAT	OR	ON	2007/03/07 12:18
S11 0	164	"certificate chain" and PKI	US-PGPUB; USPAT	OR	ON	2007/03/07 12:18
S11 1	115	"certificate chain" and PKI and "certificate authority"	US-PGPUB; USPAT	OR	ON	2007/03/07 12:34
S11 2	0	(09/590438).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/07 12:34
S11 3	0	09/590438	US-PGPUB; USPAT	OR	ON	2007/03/07 12:34
S11 4	1	"20050120205"	US-PGPUB; USPAT	OR	ON	2007/03/15 09:35
S11 5	1	"7039802"	US-PGPUB; USPAT	OR	ON	2007/03/15 09:51
S11 6	2	"20020146125"	US-PGPUB; USPAT	OR	ON	2007/03/15 09:51
S11 7	4197	("smart card" "IC card" "integrated circuit card").ab.	US-PGPUB; USPAT	OR	ON	2007/03/15 11:06
S11 8	630	"second service provider"	US-PGPUB; USPAT	OR	ON	2007/03/15 11:06
S11 9	9	S117 and S118	US-PGPUB; USPAT	OR	ON	2007/03/15 11:40
S12 0	8	S117 and Hierarchy and PKI	US-PGPUB; USPAT	OR	ON	2007/03/15 11:51
S12 1	1	("7028181").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/15 11:58
S12 2	1	("7096494").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/15 12:00
S12 3	1	("20050013437").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/15 12:02
S12 4	0	("2004766869").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/15 12:07
S12 5	6	second adj certificate with first adj private adj key	US-PGPUB; USPAT	OR	ON	2007/03/15 12:38
S12 6	1	"20030056099"	US-PGPUB; USPAT	OR	ON	2007/03/15 12:47
S12 7	46	certificate with root's adj private adj key	US-PGPUB; USPAT	OR	ON	2007/03/15 12:47

## EAST Search History

S12 8	1	"20040111375"	US-PGPUB; USPAT	OR	ON	2007/05/21 12:56
S12 9	16	("smart card" "IC card" "integrated circuit card").ab. and CA and (global root main first)adj certificate	US-PGPUB; USPAT	OR	ON	2007/05/21 12:59
S13 0	0	issue adj certificate near3 using adj5 private adj key adj4 root	US-PGPUB; USPAT	OR	ON	2007/05/21 16:11
S13 1	0	certificate near3 using adj5 private adj key adj4 root	US-PGPUB; USPAT	OR	ON	2007/05/21 16:11
S13 2	16	certificate with using adj5 private adj key adj4 root	US-PGPUB; USPAT	OR	ON	2007/05/21 16:35
S13 3	112	Plurality adj2 certificate and ("smart card" "IC card" "integrated circuit card")	US-PGPUB; USPAT	OR	ON	2007/05/21 16:36
S13 4	1	"20030056099"	US-PGPUB; USPAT	OR	ON	2007/05/22 07:50
S13 5	5	certificate adj generating adj unit	US-PGPUB; USPAT	OR	ON	2007/05/22 08:01
S13 6	842	(713/156).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/22 08:11
S13 7	47	revoke\$4 with (all multiple both) with certificate	US-PGPUB; USPAT	OR	ON	2007/05/22 08:33
S13 8	49	sign with CA with certificate with root	US-PGPUB; USPAT	OR	ON	2007/05/22 08:34
S13 9	15	sign with CA with certificate with root with private adj key	US-PGPUB; USPAT	OR	ON	2007/05/22 08:37
S14 0	153	(713/157).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/22 08:38
S14 1	168	(713/158).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/22 08:38
S14 2	21	choose adj3 root with certificate	US-PGPUB; USPAT	OR	ON	2007/05/22 08:48
S14 4	330	(726/9).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/22 10:29
S14 5	1	"20050125678"	US-PGPUB; USPAT	OR	ON	2007/05/22 10:29
S14 6	1323370	certificate of CA	US-PGPUB; USPAT	OR	ON	2007/05/23 08:15
S14 7	444	certificate adj CA	US-PGPUB; USPAT	OR	ON	2007/05/23 08:16
S14 8	6	certificate adj CA with ("smart card" "IC card" "integrated circuit card")	US-PGPUB; USPAT	OR	ON	2007/05/23 09:05
S14 9	1	"20020026578"	US-PGPUB; USPAT	OR	ON	2007/05/23 09:35



## EAST Search History

S15 0	122	"smart card" adj generate	US-PGPUB; USPAT	OR	ON	2007/05/23 09:36
S15 1	4	"smart card" adj generate with certificate	US-PGPUB; USPAT	OR	ON	2007/05/23 09:39
S15 2	4	"smart card" adj generate\$4 with certificate	US-PGPUB; USPAT	OR	ON	2007/05/23 09:39
S15 3	4	"smart card" adj generat\$4 with certificate	US-PGPUB; USPAT	OR	ON	2007/05/23 09:39
S15 4	429	(713/175).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/24 08:25
S15 5	8	S154 and "multiple certificates" and "smart card"	US-PGPUB; USPAT	OR	ON	2007/05/24 09:05
S15 6	4	S154 and ("smart card" "IC card" "integrated circuit card") and (revok\$3 with (first root main) with certificate)	US-PGPUB; USPAT	OR	ON	2007/05/24 09:06
S15 7	1050	(705/65-69).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/24 08:26
S15 8	7	S157 and "multiple certificates" and "smart card"	US-PGPUB; USPAT	OR	ON	2007/05/24 08:26
S15 9	2	S157 and ("smart card" "IC card" "integrated circuit card") and (revok\$3 with (first root main) with certificate)	US-PGPUB; USPAT	OR	ON	2007/05/24 08:28
S16 0	4	S157 and PKI and ("smart card" "IC card" "integrated circuit card").ab. and CA and certificate	US-PGPUB; USPAT	OR	ON	2007/05/24 08:31
S16 1	8	S157 and PKI and ("smart card" "IC card" "integrated circuit card" "token").ab. and CA and certificate	US-PGPUB; USPAT	OR	ON	2007/05/24 08:33
S16 2	16	CA adj (request\$4 apply\$4) adj2 certificate	US-PGPUB; USPAT	OR	ON	2007/05/24 08:36
S16 3	79	(revok\$4 revocation remov\$4 unsubscrib\$4) with (Root main first) adj certificate	US-PGPUB; USPAT	OR	ON	2007/05/24 09:06
S16 4	654	(713/172-174).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/24 09:04
S16 5	1	S164 and "multiple certificates" and "smart card"	US-PGPUB; USPAT	OR	ON	2007/05/24 09:04
S16 6	0	S164 and ("smart card" "IC card" "integrated circuit card") and (revok\$3 with (first root main) with certificate)	US-PGPUB; USPAT	OR	ON	2007/05/24 09:05
S16 7	3	S164 and S163	US-PGPUB; USPAT	OR	ON	2007/05/24 09:05

## EAST Search History

S16 8	240	(726/10).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/24 09:05
S16 9	4	S168 and "multiple certificates" and "smart card"	US-PGPUB; USPAT	OR	ON	2007/05/24 09:05
S17 0	2	S168 and ("smart card" "IC card" "integrated circuit card") and (revok\$3 with (first root main) with certificate)	US-PGPUB; USPAT	OR	ON	2007/05/24 09:06
S17 1	103	(revok\$4 revocation remov\$4 unsubscrib\$4) with (Root main first) adj2 certificate	US-PGPUB; USPAT	OR	ON	2007/05/24 09:06
S17 2	11296	((713/155,156,157,158,168,175,172,173,174) or (726/3,5,9,10) or (705/64,65,66,67,68,69,50,51) or (380/277,278,279)).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/11/13 11:51
S17 3	43396	("smart card" "IC card" "integrated circuit card")	US-PGPUB; USPAT	OR	ON	2007/11/13 11:51
S17 4	398117	("smart card" "IC card" "integrated circuit card" card token)	US-PGPUB; USPAT	OR	ON	2007/11/13 12:15
S17 5	7569	S172 and S174	US-PGPUB; USPAT	OR	ON	2007/11/13 11:51
S17 6	36047	(multiple two plural\$4) adj (certificate application token)	US-PGPUB; USPAT	OR	ON	2007/11/13 11:52
S17 7	13558	S176 and S174	US-PGPUB; USPAT	OR	ON	2007/11/13 11:53
S17 8	2666	S176 with S174	US-PGPUB; USPAT	OR	ON	2007/11/13 11:53
S17 9	197	S178 and S172	US-PGPUB; USPAT	OR	ON	2007/11/13 11:53
S18 0	26	PKI and S179	US-PGPUB; USPAT	OR	ON	2007/11/13 11:57
S18 1	0	713/155,156	US-PGPUB; USPAT	OR	ON	2007/11/13 11:57
S18 2	1720	(713/155,156).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/11/13 11:57
S18 3	1037	(before or prior or earlier or advance or in adj advance or ahead or subsequen\$5 or already) near3 (receiv\$4 or accept\$4 or acquir\$4 or obtain\$4 or download\$4 get\$4 or fetch\$4 or retriev\$4)near3(certificate token)	US-PGPUB; USPAT	OR	ON	2007/11/13 12:30
S18 4	260	S183 and S172	US-PGPUB; USPAT	OR	ON	2007/11/13 12:18
S18 5	103	S184 and S173	US-PGPUB; USPAT	OR	ON	2007/11/13 12:18

## EAST Search History

S18 6	24419	(grant\$4 or issu\$4 or generat\$4 or provid\$4 or give or giving or allow\$3 or creat\$4 or furnish\$4)near4(certificat or token or CA or certificate adj authority)	US-PGPUB; USPAT	OR	ON	2007/11/13 12:33
S18 7	2060	S186 and S172	US-PGPUB; USPAT	OR	ON	2007/11/13 12:33
S18 8	42	S173 adj2 S186	US-PGPUB; USPAT	OR	ON	2007/11/13 12:34
S18 9	15	S188 and S172	US-PGPUB; USPAT	OR	ON	2007/11/13 12:34
S19 0	90	(revok\$4 revocation remov\$4 unsubscrib\$4) with (Root main first) adj certificate	US-PGPUB; USPAT	OR	ON	2007/11/13 12:37
S19 1	24	S190 and S173	US-PGPUB; USPAT	OR	ON	2007/11/13 12:37
S19 2	11	S191 and S172	US-PGPUB; USPAT	OR	ON	2007/11/13 13:43
S19 3	4	"smart card" adj generate with certificate	US-PGPUB; USPAT	OR	ON	2007/11/13 16:22
S19 4	116	(revok\$4 revocation remov\$4 unsubscrib\$4) with (Root main first) adj2 certificate	US-PGPUB; USPAT	OR	ON	2007/11/13 16:22
S19 5	63	S194 and S172	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 16:23

Set	Items	Description
S1	216423	SMARTCARD? OR SMART()CARD? ? OR CARD? ? OR DATA()CARRIER? - OR (IC OR INTEGRAT?()CIRCUIT?) (2N)CARD? ? OR ICCARD? ? OR OPT- ICALCARD? OR OPTICAL()CARD? ? OR BIOMETRICCARD? OR BIOMETRIC?- ( )CARD? ? OR (HARDWARE? OR HARD()WARE) ( )TOKEN? OR TOKEN? OR A- CCESS?()DEVICE?
S2	104	(GROUP? OR SEVERAL OR MANY OR PLURAL? OR MULTI? OR BUNCH? - OR NUMEROUS) (5N) ((ROOT? OR POLICY OR PRIMARY OR SIGN??? OR CH- AIN? OR ASSUR? OR TRUST?) (2N) (CERTIFICAT? OR POLICYCERTIFICAT ? OR CA OR CERTIF?()AUTHORI???)
S3	10	S2 (7N) (CONTAIN? OR STORE? OR STORING? OR STOCK? OR MAINTAI- N? OR HOLD??? OR INCLU? OR TOGETHER? OR COMPRIS?)
S4	44	S2 (7N) (WITHIN OR INSIDE? OR INTERNAL? OR INTERIOR? OR INTE- RIOUR? OR IN OR INTRA OR SELF()CONTAIN??? OR HAS)
S5	0	S1 AND S3:S4
S6	0	S1 AND S2
S7	25312	(GRANT? OR ISSU??? OR GENERAT? OR PROVID? OR GIVE? ? OR GI- VING OR ALLOW??? OR CREAT? OR FURNISH?) (5N) (CERTIFICAT? OR TO- KEN? OR CA OR CERTIF?()AUTHORI???)
S8	400	(BEFORE? OR PRIOR? OR EARLIER? OR ADVANCE? OR IN()ADVANCE - OR AHEAD? OR SUBSEQUEN? OR ALREADY?) (3N) (RECEIV? OR ACCEPT? OR ACQUIR? OR OBTAIN? OR DOWNLOAD? OR PULL???()DOWN?? OR PROCUR- ??? OR GET? ? OR FETCH??? OR RETRIEV?) (3N) (CERTIFICAT? OR POL- ICYCERTIFICAT ? OR CA OR CERTIF?()AUTHORI???)
S9	0	S1 AND S7 AND S8
File	2:INSPEC 1898-2007/Oct W3	(c) 2007 Institution of Electrical Engineers
File	6:NTIS 1964-2007/Nov W3	(c) 2007 NTIS, Intl Cpyrght All Rights Res
File	8:Ei Compendex(R) 1884-2007/Oct W3	(c) 2007 Elsevier Eng. Info. Inc.
File	34:SciSearch(R) Cited Ref Sci 1990-2007/Nov W1	(c) 2007 The Thomson Corp
File	35:Dissertation Abs Online 1861-2007/Jul	(c) 2007 ProQuest Info&Learning
File	56:Computer and Information Systems Abstracts 1966-2007/Sep	(c) 2007 CSA.
File	60:ANTE: Abstracts in New Tech & Engineer 1966-2007/Oct	(c) 2007 CSA.
File	62:SPIN(R) 1975-2007/Oct W2	(c) 2007 American Institute of Physics
File	65:Inside Conferences 1993-2007/Nov 07	(c) 2007 BLDSC all rts. reserv.
File	95:TEME-Technology & Management 1989-2007/Nov W1	(c) 2007 FIZ TECHNIK .
File	99:Wilson Appl. Sci & Tech Abs 1983-2007/Sep	(c) 2007 The HW Wilson Co.
File	111:TGG Natl.Newspaper Index(SM) 1979-2007/Oct 30	(c) 2007 The Gale Group
File	144:Pascal 1973-2007/Oct W4	(c) 2007 INIST/CNRS
File	239:Mathsci 1940-2007/Nov	(c) 2007 American Mathematical Society
File	256:TecInfoSource 82-2007/Dec	(c) 2007 Info.Sources Inc
File	434:SciSearch(R) Cited Ref Sci 1974-1989/Dec	(c) 2006 The Thomson Corp

File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13

(c) 2002 The Gale Group

\*\*\*NOTHING FOUND\*\*\*

Set	Items	Description
S1	282742	SMARTCARD? OR SMART()CARD? ? OR CARD? ? OR DATA()CARRIER? - OR (IC OR INTEGRAT?()CIRCUIT?) (2N)CARD? ? OR ICCARD? ? OR OPT- ICALCARD? OR OPTICAL()CARD? ? OR BIOMETRICCARD? OR BIOMETRIC?- ( )CARD? ? OR (HARDWARE? OR HARD()WARE) ( )TOKEN? OR TOKEN? OR A- CCESS?()DEVICE?
S2	82	(GROUP? OR SEVERAL OR MANY OR PLURAL? OR MULTI? OR BUNCH? - OR NUMEROUS) (5N) ((ROOT? OR POLICY OR PRIMARY OR SIGN??? OR CH- AIN? OR ASSUR? OR TRUST?) (2N) (CERTIFICAT? OR POLICYCERTIFICAT ? OR CA OR CERTIF?()AUTHORIT???)
S3	29	S2 (7N) (CONTAIN? OR STORE? OR STORING? OR STOCK? OR MAINTAI- N? OR HOLD??? OR INCLU? OR TOGETHER? OR COMPRIS?)
S4	27	S2 (7N) (WITHIN OR INSIDE? OR INTERNAL? OR INTERIOR? OR INTE- RIOUR? OR IN OR INTRA OR SELF()CONTAIN??? OR HAS)
S5	0	S1 AND S3:S4
S6	2	S1 AND S2:S4
S7	15489	(GRANT? OR ISSU??? OR GENERAT? OR PROVID? OR GIVE? ? OR GI- VING OR ALLOW??? OR CREAT? OR FURNISH?) (5N) (CERTIFICAT? OR TO- KEN? OR CA OR CERTIF?()AUTHORI???)
S8	126	(BEFORE? OR PRIOR? OR EARLIER? OR ADVANCE? OR IN()ADVANCE - OR AHEAD? OR SUBSEQUEN? OR ALREADY?) (3N) (RECEIV? OR ACCEPT? OR ACQUIR? OR OBTAIN? OR DOWNLOAD? OR PULL???()DOWN?? OR PROCUR- ??? OR GET? ? OR FETCH??? OR RETRIEV?) (3N) (CERTIFICAT? OR POL- ICYCERTIFICAT ? OR CA OR CERTIF?()AUTHORIT???)
S9	11	S1 AND S7 AND S8

File 350:Derwent WPIX 1963-2007/UD=200771  
(c) 2007 The Thomson Corporation

File 347:JAPIO Dec 1976-2007/Jun(Updated 070926)  
(c) 2007 JPO & JAPIO

Set	Items	Description
S1	164781	SMARTCARD? OR SMART()CARD? ? OR CARD? ? OR DATA()CARRIER? - OR (IC OR INTEGRAT?()CIRCUIT?) (2N)CARD? ? OR ICCARD? ? OR OPT- ICALCARD? OR OPTICAL()CARD? ? OR BIOMETRICCARD? OR BIOMETRIC?- ( )CARD? ? OR (HARDWARE? OR HARD()WARE) ( )TOKEN? OR TOKEN? OR A- CCESS?()DEVICE?
S2	311	(GROUP? OR SEVERAL OR MANY OR PLURAL? OR MULTI? OR BUNCH? - OR NUMEROUS) (5N) ((ROOT? OR POLICY OR PRIMARY OR SIGN??? OR CH- AIN? OR ASSUR? OR TRUST?) (2N) (CERTIFICAT? OR POLICYCERTIFICAT ? OR CA OR CERTIF?()AUTHORIT???)
S3	69	S2 (7N) (CONTAIN? OR STORE? OR STORING? OR STOCK? OR MAINTAI- N? OR HOLD??? OR INCLU? OR TOGETHER? OR COMPRIS?)
S4	152	S2 (7N) (WITHIN OR INSIDE? OR INTERNAL? OR INTERIOR? OR INTE- RIOUR? OR IN OR INTRA OR SELF()CONTAIN??? OR HAS)
S5	7	S1(100N)S3:S4
S6	16	S1(100N)S2
S7	9	S6 NOT S5
S8	28824	(GRANT? OR ISSU??? OR GENERAT? OR PROVID? OR GIVE? ? OR GI- VING OR ALLOW??? OR CREAT? OR FURNISH?) (5N) (CERTIFICAT? OR TO- KEN? OR CA OR CERTIF?()AUTHORI???)
S9	668	(BEFORE? OR PRIOR? OR EARLIER? OR ADVANCE? OR IN()ADVANCE - OR AHEAD? OR SUBSEQUEN? OR ALREADY?) (3N) (RECEIV? OR ACCEPT? OR ACQUIR? OR OBTAIN? OR DOWNLOAD? OR PULL???()DOWN?? OR PROCUR- ??? OR GET? ? OR FETCH??? OR RETRIEV?) (3N) (CERTIFICAT? OR POL- ICYCERTIFICAT ? OR CA OR CERTIF?()AUTHORI???)
S10	53	S1(100N)S8(100N)S9

File 348:EUROPEAN PATENTS 1978-2007/ 200743  
(c) 2007 European Patent Office  
File 349:PCT FULLTEXT 1979-2007/UB=20071101UT=20071025  
(c) 2007 WIPO/Thomson